

IN THE CLAIMS:

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--29. A communication system, comprising:
an interrogator to produce and transmit a spread spectrum signal which includes an original data signal component; and
a plurality of receiver systems connected to articles remote from the interrogator, each receiver system comprising:
receiving and processing circuitry to receive the transmitted spread spectrum signal and in response thereto to produce a data signal indicative of the original data signal component;
signal production circuitry to receive the data signal and selectively produce a return signal including information regarding the article; and
transmitting circuitry to transmit the return signal to the interrogator.

32
30. The communication system of claim 29, wherein the interrogator selectively addresses a particular one of the receiver systems by providing the original data signal component with a particular characteristic, and wherein the signal production circuitry of a particular one of the receiver systems produces the return signal only when particular characteristic is present in the data signal.

31. The communication system of claim 29, wherein the interrogator selectively addresses different ones of the receiver systems.

32. The communication system of claim 29, further comprising an additional interrogator and circuitry that determines the location of a particular one of the receiver systems by triangulation between the interrogator, the additional interrogator, and the particular one of the receiver systems.

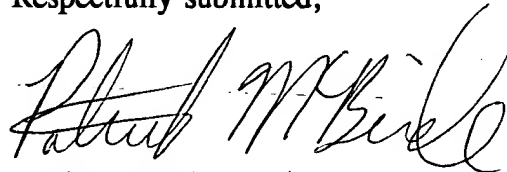
33. A method for communicating pulse coded information between low power transceivers, the method comprising:

spectrally spreading a carrier by modulating the carrier with a first direct sequence pseudo-random pulse code waveform, thereby producing a spectrally spread carrier;

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modulating a data pulse code waveform including information to be transmitted with a second direct sequence pseudo-random pulse code waveform, thereby producing a modulated data pulse code waveform; and

modulating the spectrally spread carrier with the modulated data pulse code waveform to form a modulated spectrally spread signal.--

Respectfully submitted,



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